1. Write the first five terms of the sequence. Assume that begins with .
2. Simplify the ratio of factorials.
3. Use sigma notation to write the sum.
4. Find the sum of the infinite series.
5. The average price of a loaf of bread years after is approximately by the sequence . Use the sequence to predict the price of a loaf of bread in
6. Find a formula for for the arithmetic sequence.
7. Find the partial sum.
8. Find the indicated th partial sum of the arithmetic sequence.
9. In the average cost of a ticket on a privately-owned airline was . This amount has increased by approximately yearly. How much should you expect to pay for a ticket on this airline in the year
10. Write the th term of the sequence as a function of .
11. Identify the th term of the geometric sequence.
12. Find the sum of the finite geometric series to three decimal places.
13. Find the sum of the first terms of the geometric series.

**Find the sum of the infinite series for #14 & #15**

1. Undefined